ACGTTGACAC AGG ATGTGCTTTT TAA AAGGGAGGGC CTC TCAGGTCCAC ATG	ATTGGCC TGC	ACAGGAG TGT	GAGCAGC AC	TOCTTONG CARC	AAAGCC 180 TTC 231
ATG CTG ATC AT Met Leu Ile II	le Ala Cys V	al diy cor	20		25
CAG ACC TGG T'	30 30	al the bee	35	40	
GTC AGT GCC G Val Ser Ala G	ly Thr Fre 1 5	50		55	
GGA ACT CGG A Gly Thr Arg I 60	TT CAT GTT T le His Val T	AC ACT TTT yr Thr Phe 65	GTG CAG A	AA ACA GCA GGA ys Thr Ala Gli 70	CAG 423 Gln
Leu Pro Phe L 75	en Gin Già G	10	8		
Ser Ala Phe V 90	al Asp Gin F	TO LYS CIN	100	AG ACT GTC CA lu Thr Val Gl	105
Leu Leu Glu V	al Ala Lys A 110	ab ser ire	115	GC CAC TGG GA er His Trp G1 12	0
Thr Pro Val V	al Leu Lys A .25	130	01, 101	GT TTG CTG CC rg Leu Leu Pr 135	
Gln Lys Ala G	in Ala Leu i	145		AG ATC TTC AA lu Ile Phe Ly 150	
Ser Pro Phe I	eu vai Pro	160	1	ATC ATG GAT GG 11e Met Asp G1 165	
Tyr Glu Gly :	Ile Leu Ala 175	iip vai	180	TTT CTA ACA GG	185
CTG CAT GGT G Leu His Gly	CGT GGC CAG Arg Gly Gln 190	GAG ACT GTG Glu Thr Val	GGG ACC G Gly Thr I 195	CTT GAC CTG GG Leu Asp Leu Gl 20	G GGT 807 y Gly
Ala Ser Thr	CAA ATC ACG Gln Ile Thr 205	TTT CTA CCC Phe Leu Pro 210		GAG AAA ACC C1 Glu Lys Thr Le 215	ng GAA 855 nu Glu
CAA ACA CCT Gln Thr Pro 220	AGG GGC TAC Arg Gly Tyr	CTC ACT TCC Leu Thr Ser 225	TTT GAG	ATG TTT AAC AG Met Phe Asn So 230	GC ACT 903 er Thr

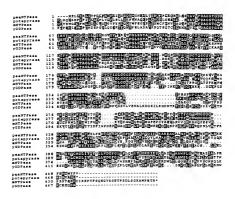
TTT Phe	AAG Lys 235	CTC Leu	TAT Tyr	ACA Thr	CAT His	AGT Ser 240	Tyr	TTG Leu	GGA Gly	TTT Phe	GGA Gly 245	CTG Leu	AAA Lys	GCT Ala	GCA Ala	951	
AGA Arg 250	CTG Leu	GCA Ala	ACT Thr	CTG Leu	GGA G1y 255	GCC Ala	CTG Leu	GAA Glu	GCA Ala	AAA Lys 260	GGG Gly	ACT Thr	GAT Asp	GGA Gly	CAT His 265	999	
ACG Thr	TTT Phe	CGA Arg	AGT Ser	GCC Ala 270	TGT Cys	TTA Leu	CCA Pro	AGA Arg	TGG Trp 275	TTG Leu	GAA Glu	GCA Ala	GAG Glu	TGG Trp 280	ATC Ile	1047	
TTT Phe	GG <b>G</b> Gly	GGT Gly	GTG Val 285	AAA Lys	TAC Tyr	CAG Gln	TAT Tyr	GGT Gly 290	GGT Gly	AAC Asn	C <b>AA</b> Gln	GAA Glu	GGG G1 y 295	GAG Glu	ATG Met	1095	
GGC Gly	TTT Phe	GAA Glu 300	CCC Pro	TGC Cys	TAT Tyr	GCG Ala	GAA Glu 305	GTG Val	CTG Leu	AGG Arg	GTA Val	GTA Val 310	CAG Gln	GGG Gly	AAA Lys	1143	
CTT Leu	CAC His 315	CAG Gln	CCA Pro	GAA Glu	GAA Glu	GTC Val 320	CGA Arg	GGA Gly	AGC Ser	GCC Ala	TTC Phe 325,	TAC Tyr	GCT Ala	TTC Phe	TCT Ser	1191	
TAC Tyr 330	TAC Tyr	TAC Tyr	GAT Asp	CGA Arg	GCC Ala 335	GCT Ala	GAC Asp	ACA Thr	CAC His	TTG Leu 340	ATC Ile	GAT Asp	TAT Tyr	GAA Glu	AAG Lys 345	1239	
GGC Gly	GGG Gly	GTT Val	TTA Leu	AAA Lys 350	GTT Val	GAA Glu	GAT Asp	TTT Phe	GAA Glu 355	AGA Arg	AAA Lys	GCC Ala	AGA Arg	GAA Glu 360	GTG Val	1287	
TGT Cys	GAC Asp	AAC Asn	TTG Leu 365	GGG Gly	AGC Ser	TTC Phe	TCC Ser	TCG Ser 370	GGC Gly	AGT Ser	CCT Pro	TTC Phe	CTC Leu 375	TGC Cys	ATG Met	1335	
GAC Asp	CTC Leu	ACT Thr 380	TAC Tyr	ATC Ile	ACA Thr	GCC Ala	CTG Leu 385	TTG Leu	AAA Lys	GAT Asp	GGT Gly	TTG Leu 390	GGC Gly	TTT Phe	GCC Ala	1383	
GAA Glu	CGG Arg 395	CAC His	CCT Pro	CTT Leu	ACA Thr	GCT Ala 400	CAC His	AAA Lys	GAA Glu	AGT Ser	GAA Glu 405	CAA Gln	CAT His	AGA Arg	GAC Asp	1431	
TGG Trp 410	TTG Leu	GGC Gly	CTT Leu	GGG Gly	GGC Gly 415	CAC His	CTT Leu	TCA Ser	CCT Pro	GCT Ala 420	CCA Pro	GTC Val	TCT Ser	GGG Gly	CAT His 425	1479	
CAC His	CAG Gln	CTG Leu	AGG Arg	CCA Pro 430	AGC Ser	TCC Ser	ACC Thr	TCT Ser	GAA Glu 435	GCC Ala	TGC Cys	ATT Ile	TCT Ser	GAA Glu 440	CCA Pro	1527	
GTT Val	TTC Phe	TCA Ser	CAG Gln 445	GAA Glu	GGC Gly	GTG Val	GAC Asp	TCA Ser 450	GAG Glu	ACA Thr	TTT Phe	TCT Ser	GAC Asp 455	CTC Leu	TCT Ser	1575	
GGA Gly	Lys	GCC Ala	Trp	CCC Pro	GAA Glu	Thr	CGT Arg	TAAC	TGGT	ттт	ATA?	GGAG	iG G≱	GGGG	TTTT	1629	

Fig. 1 (cont'd.)

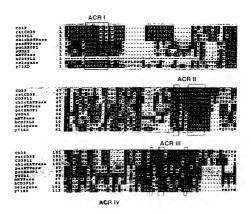
# "HEET 3 OF 16)

			TTGGGCTTCA			1689
			GGCTGGCACC			1749
			AGAGAAAACC			1809
			AAAGAACAAT			1869
			TTATAAGCTG			1929
			CCCTTATTAC			1989
			ATAATTGAGA			2049
	TTGTGTGATC	CTGTGGCACA	ATAGATCAAC	CAACCCATTT	AAAGCTTAAA	2109
AAAAAAAAA						2119

FIG. 1 (contid.)



F16.2



F16.3

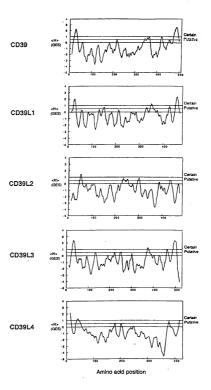
AAG	ACCG	GCT (	GCCG FGGA	CCTG	OT CO	CCCG	GAAA. GAAT	A GG4 G AA	SCAC'	rcgt ggta	TCC	CCTC:	GGT !	OTGG AACT G AT	GCCCAA CGGAGC FCCAGA G AGA t Arg	60 120 180 237
AAA Lys	ATA Ile	TCC Ser 5	AAC Asn	CAC His	GGG Gly	AGC Ser	CTG Leu 10	CGG Arg	GTG Val	GCG Ala	AAG Lys	GTG Val 15	GCA Ala	TAC Tyr	CCC Pro	285
CTG Leu	GGG Gly 20	CTG Leu	TGT Cys	GTG Val	GGC Gly	GTG Val 25	TTC Phe	ATC Ile	TAT Tyr	GTT Val	GCC Ala 30	TAC Tyr	ATC Ile	AAG Lys	TGG Trp	333
CAC His 35	CGG Arg	GCC Ala	ACC Thr	GCC Ala	ACC Thr 40	CAG Gln	GCC Ala	TTC Phe	TTC Phe	AGC Ser 45	ATC Ile	ACC Thr	AGG Arg	GCA Ala	GCC Ala 50	381
CCG Pro	GGG Gly	GCC Ala	CGG Arg	TGG Trp 55	GGT Gly	CAG Gln	CAG Gln	GCC Ala	CAC His 60	AGC Ser	CCC Pro	CTG Leu	GGG Gly	ACA Thr 65	GCT Ala	429
GCA Ala	GAC Asp	GGG Gly	CAC His 70	GAG Glu	GTC Val	TTC Phe	TAC Tyr	GGG Gly 75	ATC Ile	ATG Met	TTT Phe	GAT Asp	GCA Ala 80	GGA Gly	AGC Ser	477
ACT Thr	GGC Gly	ACC Thr 85	CGA Arg	GTA Val	CAC His	GTC Val	TTC Phe 90	CAG Gln	TTC Phe	ACC Thr	CGG Arg	CCC Pro 95	CCC	AGA Arg	GAA Glu	505
ACT Thr	CCC Pro 100	ACG Thr	TTA Leu	ACC Thr	CAC His	GAA Glu 105	ACC Thr	TTC Phe	AAA Lys	GCA Ala	GTG Val 110	AAG Lys	CCA Pro	GGT Gly	CTT Leu	573
TCT Ser 115	GCC Ala	TAT Tyr	GCT Ala	GAT Asp	GAT Asp 120	GTT Val	GAA Glu	AAG Lys	AGC Ser	GCT Ala 125	CAG Gln	GGA Gly	ATC Ile	CGG Arg	GAA Glu 130	621
CTA Leu	CTG Leu	GAT Asp	GTT Val	GCT Ala 135	AAA Lys	CAG Gln	GAC Asp	ATT Ile	CCG Pro 140	TTC Phe	GAC Asp	TTC Phe	TGG Trp	AAG Lys 145	GCC Ala	669
ACC Thr	CCT Pro	CTG Leu	GTC Val 150	CTC Leu	AAG Lys	GCC Ala	ACA Thr	GCT Ala 155	GGC Gly	TTA Leu	CGC Arg	CTG Leu	TTA Leu 160	CCT Pro	GGA Gly	717
GAA Glu	AAG Lys	GCC Ala 165	CAG Gln	AAG Lys	TTA Leu	CTG Leu	CAG Gln 170	AAG Lys	GTG Val	AAA Lys	GAA Glu	GTA Val 175	TTT Phe	AAA Lys	GCA Ala	765
TCG Ser	CCT Pro 180	TTC Phe	CTT Leu	GTA Val	GGG Gly	GAT Asp 185	GAC Asp	TGT Cys	GTT Val	TCC Ser	ATC Ile 190	ATG Met	AAC Asn	GGA Gly	ACA Thr	813
GAT Asp 195	GAA Glu	GGC Gly	GTT Val	TCG Ser	GCG Ala 200	TGG Trp	ATC Ile	ACC Thr	ATC Ile	AAC Asn 205	TTC Phe	CTG Leu	ACA Thr	GGC Gly	AGC Ser 210	861
TTG Leu	AAA Lys	ACT Thr	CCA Pro	GGA Gly 215	GGG Gly	AGC Ser	AGC Ser	GTG Val	GGC Gly 220	ATG Met	CTG Leu	GAC Asp	TTG Leu	GGC Gly 225	GGA Gly	909

GG/ Gly	A TCC	C ACT	CAG Glr 230	Ile	GCC	TTC Phe	CTG Leu	CCA Pro 235	Arç	GT(	G GAG	GGC Gly	ACC Thr 240	Leu	CAG Gln	957
GC0 Ala	TCC Ser	CC# Pro 245	Pro	GGC	TAC	CTG Leu	ACG Thr 250	GCA Ala	CTG	CGC	ATG Met	TTT Phe 255	Asn	AGG Arg	ACC Thr	1005
TAC	Lys 260	Leu	TAT	TCC	TAC	AGC Ser 265	TAC Tyr	CTC Leu	GGG Gly	CTO	GGG Gly 270	Leu	ATG Met	TCG Ser	GCA Ala	1053
CGC Arg 275	Leu	GCG Ala	ATC Ile	CTG Leu	GGC Gly 280	Gly	GTG Val	GAG Glu	GGG G1y	CAG Glr 285	CCT Pro	GCT Ala	AAG Lys	GAT Asp	GGA Gly 290	1101
AAG Lys	GAG Glu	TTG Leu	GTC Val	AGC Ser 295	CCT Pro	TGC Cys	TTG Leu	TCT Ser	CCC Pro 300	AGT	TTC Phe	AAA Lys	GGA Gly	GAG G1u 305	TGG Trp	1149
GAA Glu	CAC His	GCA Ala	GAA Glu 310	GTC Val	ACG Thr	TAC Tyr	AGG Arg	GTT Val 315	TCA Ser	GGG Gly	CAG Gln	AAA Lys	GCA Ala 320	GCG Ala	GCA Ala	1197
AGC Ser	CTG Leu	CAC His 325	GAG Glu	CTG Leu	TGT Cys	GCT Ala	GCC Ala 330	AGA Arg	GTG Val	TCA Ser	GAG Glu	GTC Val 335	CTT Leu	CAA Gln	AAC Asn	1245
AGA Arg	GTG Val 340	CAC His	AGG Arg	ACG Thr	GAG Glu	GAA Glu 345	GTG Val	AAG Lys	CAT His	GTG Val	GAC Asp 350	TTC Phe	TAT Tyr	GCT Ala	TTC Phe	1293
TCC Ser 355	TAC Tyr	TAT Tyr	TAC Tyr	GAC Asp	CTT Leu 360	GCA Ala	GCT Ala	GGT Gly	GTG Val	GGC Gly 365	CTC Leu	ATA Ile	GAT Asp	GCG Ala	GAG Glu 370	1341
AAG Lys	GGA Gly	GGC Gly	AGC Ser	CTG Leu 375	GTG Val	GTG Val	GGG Gly	GAC Asp	TTC Phe 380	GAG Glu	ATC Ile	GCA Ala	GCC Ala	AAG Lys 385	TAC Tyr	1389
GTG Val	TGT Cys	CGG Arg	ACC Thr 390	CTG Leu	GAG Glu	ACA Thr	Gln	CCG Pro 395	CAG Gln	AGC Ser	AGC Ser	CCC Pro	TTC Phe 400	TCA Ser	TGC Cys	1437
ATG Met	GAC Asp	CTC Leu 405	ACC Thr	TAC Tyr	GTC Val	Ser	CTG Leu 410	CTA Leu	CTC Leu	CAG Gln	GAG Glu	TTC Phe 415	GGC Gly	TTT Phe	CCC Pro	1485
AGG Arg	AGC Ser 420	AAA Lys	GTG Val	CTG Leu	Lys	CTC Leu 425	ACT Thr	CGG Arg	AAA Lys	ATT	GAC Asp 430	AAT Asn	GTT Val	GAG Glu	ACC Thr	1533
AGC Ser 435	TGG Trp	GCT Ala	CTG Leu	Gly.	GCC Ala 440	ATT Ile	Phe	CAT His	Tyr	ATC Ile 445	GAC Asp	TCC	CTG . Leu .	Asn.	AGA Arg 450	1581
CAG Gln	AAG Lys	AGT Ser	Pro .	GCC Ala 455	TCA Ser	TAGT	GCC	GA G	CCAT	CCCT	G TC	cccg	TCAG	CAG	TGTCT	1637
GGCC	GTGC	TG G	CACT'	TTCT	G CA	CACT	GCT	CTG	GGAC'	CTG	CAGA	AGGC	OT GO	TGC'	GCACA TGCCC TGCTC	1697 1757 1817

# ( HEET 8 OF 16)

AATGCCACCT	GTCTGCCTGG	GCTCCAAGTG	GGCAGGACCA	GGACAGAACC	ACAGGCACAC	187
ACTGAGGGGG	CAGTGTGGCT	CCCTGCCTGT	CCCATCCCCA	TGCCCCGTCC	GCGGGGCTGT	193
GGCTGCTGCT	GTGCATGTCC	CTGCGATGGG	AGTCTTGTCT	CCCAGCCTGT	CAGTTTCCTC	199
CCCAGGGCAG	AGCTCCCCTT	CCTGCAAGAG	TCTGGGAGGC	GGTGCAGGCT	GTCCTGGCTG	205
CTCTGGGGAA				AGTAGGTCTG		211
	TGGACTTGAG			TATGAATGTG	TGAGTTCACC	217
	CTCTCCTCAC			AATGATGGAG		223
	GGCAGGTGCC				GATGCCGGGC	229
	GTAAACTATT				TCGTGTGGGT	235
	TGTGTAGAAA				AACTGTGTCC	241
	TCGCTACTGT			GGGCCATGTC	TTAGGTGCAG	247
	GGTCAGCTGA	GCCACAGTCC	CAGAACCAAG	CTCTCGGTGT	CTCGGGCCAC	253
		ACCCCACCTC				259
	AGTGTGGCGT					265
TACAGTGCCC	GGCACGAGCT	GAACCTCATG	TGTTCCACTC	CCAATAAAAG	GTTGACAGGG	271
GCTTCTCCTT	CAAAAAAAA	AAAAAAAAA	AAAAAAAAA	AAAAA		276

Fig. 4 (contid)



F16.5

						AG A	TG T	TC A	CT G	TG C	TG F	CC C	GC C	AA C	AATCGC CA TGT TO Cys	112
GA(	G CA	A GC n Al	A GG a Gl	C CTO y Leo 15	Ly.	G GC s Al	C CT a Le	C TA	C CG r Ar 20	g Th	T CC	A AC	C AT	C AT e I1 25	T GCC e Ala	160
TT(	GT(	G GT L Va	C TT 1 Le: 30	G CT	r GTO	G AG	T AT	T GTG e Va: 35	G GT.	A CT l Le	T GT u Va	G AG 1 Se	T AT	C AC	T GTC r Val	208
ATC Ile	CAC Glr	45	C CAG	AAC Lys	G CAN	A GA	G GTC J Val	C CTC	Pr	T CC o Pr	A GG o Gl	A CT y Le 55	G AAG u Ly:	G TA	T GGT r Gly	256
ATT	Val	CTC Let	G GA1	GCC Ala	GG(	S TC: Sei 65	TC#	A AGA	A AC	C AC	A GT r Va 70	C TAG	C GTO	TA'	CAA r Gln	304
TGG Trp 75	Pro	GC/ Ala	GA/	AAA Lys	GAG Glu	AA1 Asr	AAT Asn	ACC Thr	GG/ Gl/	4 GT0 Val 85	G GTG	C AG1	r CAF	A ACC	Phe 90	352
AAA Lys	TGT Cys	AGT Ser	Val	Lys 95	GGC Gly	Ser	GGA Gly	ATC Ile	Ser 100	Ser	TAT	GG#	AAT Asn	AAC Asr 105	CCC	400
CAA Gln	GAT Asp	GTC Val	Pro 110	Arg	GCC Ala	TTT Phe	GAG Glu	GAG Glu 115	TGT Cys	Met	Glr.	AAA Lys	GTC Val	Lys	GGG Gly	448
CAG Gln	GTT Val	CCA Pro 125	Ser	CAC His	CTC Leu	CAC His	GGA Gly 130	TCC Ser	ACC Thr	Pro	ATT	CAC His 135	Leu	GGA Gly	GCC Ala	496
ACG Thr	GCT Ala 140	GGG Gly	ATG Met	CGC Arg	TTG Leu	CTG Leu 145	AGG Arg	TTG Leu	CAA Gln	AAT Asn	GAA Glu 150	ACA Thr	GCA Ala	GCT Ala	AAT Asn	544
GAA Glu 155	GTC Val	CTT Leu	GAA Glu	AGC Ser	ATC Ile 160	CAA Gln	AGC Ser	TAC Tyr	TTC Phe	AAG Lys 165	TCC Ser	CAG Gln	CCC Pro	TTT Phe	GAC Asp 170	592
TTT Phe	AGG Arg	GGT Gly	GCT Ala	CAA Gln 175	ATC Ile	ATT Ile	TCT Ser	GGG G1 y	CAA Gln 180	GAA Glu	GAA Glu	GGG Gly	GTA Val	TAT Tyr 185	GGA Gly	640
TGG Trp	ATT Ile	ACA Thr	GCC Ala 190	AAC Asn	TAT Tyr	TTA Leu	Met	GGA Gly 195	AAT Asn	TTC Phe	CTG Leu	GAG Glu	AAG Lys 200	AAC Asn	CTG Leu	688
TGG Trp	His	ATG Met 205	TGG Trp	GTG Val	CAC His	CCG Pro	CAT His 210	GGA Gly	GTG Val	GAA Glu	ACC Thr	ACG Thr 215	GGT Gly	GCC Ala	CTG Leu	736
GAC Asp	TTA Leu 220	GGT Gly	GGT Gly	GCC Ala	Ser	ACC Thr 225	C <b>AA</b> Gln	ATA Ile	TCC Ser	TTC Phe	GTG Val 230	GCA Ala	GGA Gly	GAG Glu	AAG Lys	784

ATG Met 235	GAT Asp	CTG Leu	AAC Asn	ACC Thr	AGC Ser 240	GAC <b>As</b> p	ATC Ile	ATG Met	CAG Gln	GTG Val 245	TCC Ser	CTG Leu	TAT Tyr	GGC Gly	TAC Tyr 250	832
GTA Val	TAC Tyr	ACG Thr	CTC Leu	TAC Tyr 255	ACA Thr	CAC His	AGC Ser	TTC Phe	CAG Gln 260	TGC Cys	TAT Tyr	GGC Gly	CGG Arg	AAT Asn 265	GAG Glu	880
GCT Ala	GAG Glu	AAG Lys	AAG Lys 270	TTT Phe	CTG Leu	GCA Ala	ATG Met	CTC Leu 275	CTG Leu	CAG Gln	AAT Asn	TCT Ser	CCT Pro 280	ACC Thr	AAA Lys	928
AAC Asn	CAT	CTC Leu 285	ACC Thr	AAT Asn	CCC Pro	TGT Cys	TAC Tyr 290	CCT Pro	CGG Arg	GAT Asp	TAT Tyr	AGC Ser 295	ATC Ile	AGC Ser	TTC Phe	976
ACC	ATG Met 300	GGC Gly	CAT His	GTA Val	TTT Phe	GAT Asp 305	AGC Ser	CTG Leu	TGC Cys	ACT Thr	GTG Val 310	GAC Asp	CAG Gln	AGG Arg	CCA Pro	1024
GAA Glu 315	AGT Ser	TAT Tyr	AAC Asn	CCC Pro	AAT Asn 320	GAT Asp	GTC Val	ATC Ile	ACT Thr	TTT Phe 325	GAA Glu	GGA Gly	ACT Thr	GGG Gly	GAC Asp 330	1072
CCA Pro	TCT Ser	CTG Leu	TGT Cys	AAG Lys 335	GAG Glu	AAG Lys	GTG Val	GCT Ala	TCC Ser 340	ATA Ile	TTT Phe	GAC Asp	TTC Phe	AAA Lys 345	GCT Ala	1120
Cys	CAT His	Asp	G1n 350	Glu	Thr	Cys	Ser	Phe 355	Asp	Gly	Val	Tyr	360	Pro	Lys	1168
ATT Ile	AAA Lys	GGG Gly 365	CCA Pro	TTT Phe	GTG Val	GCT Ala	TTT Phe 370	GCA Ala	GGA Gly	TTC Phe	TAC Tyr	TAC Tyr 375	ACA Thr	GCC Ala	AGT Ser	1216
GCT Ala	TTA Leu 380	AAT Asn	CTT Leu	TCA Ser	GGT Gly	AGC Ser 385	TTT Phe	TCC Ser	CTG Leu	GAC Asp	ACC Thr 390	TTC Phe	AAC Asn	TCC Ser	AGC Ser	1264
ACC Thr 395	TGG Trp	AAT Asn	TTC Phe	TGC Cys	TCA Ser 400	CAG Gln	AAT Asn	TGG Trp	AGT Ser	CAG Gln 405	CTC Leu	CCA Pro	CTG Leu	CTG Leu	CTC Leu 410	1312
CCC Pro	AAA Lys	TTT Phe	GAT Asp	GAG Glu 415	GTA Val	TAT Tyr	GCC Ala	CGC Arg	TCT Ser 420	TAC Tyr	TGC Cys	TTC Phe	TCA Ser	GCC Ala 425	AAC Asn	1360
TAC Tyr	ATC Ile	TAC Tyr	CAC His 430	TTG Leu	TTT Phe	GTG Val	AAC Asn	GGT Gly 435	TAC Tyr	AAA Lys	TTC Phe	ACA Thr	GAG Glu 440	GAG Glu	ACT Thr	1408
TGG Trp	CCC Pro	CAA Gln 445	ATA Ile	CAC His	TTT Phe	GAA Glu	AAA Lys 450	GAA Glu	GTG Val	GGG Gly	AAT Asn	AGC Ser 455	AGC Ser	ATA Ile	GCC Ala	1456
Trp	TCT Ser 460	Leu	Gly	Tyr	Met	Leu 465	Ser	Leu	Thr	Asn	G1n 470	Ile	Pro	Ala	Glu	1504
AGC Ser 475	CCT Pro	CTG Leu	ATC Ile	CGT Arg	CTG Leu 480	CCC Pro	ATA Ile	GAA Glu	CCA Pro	CCT Pro 485	GTC Val	TTT Phe	GTG Val	GGC Gly	ACC Thr 490	1552

Fig. 6 (cont.d.)

## "CHEET 12 OF 16 )

		CC TTG CTG TGT CTG GCA TTT CTT GCA Leu Leu Cys Leu Ala Phe Leu Ala 500 505	1600
Tyr Leu Cys Se	CA GCA ACC AGA AG er Ala Thr Arg Ar 10	AAA AAG AGG CAC TCC GAG CAT GCC TTT g Lys Arg His Ser Glu His Ala Phe 515 520	1648
GAC CAT GCA G1		AGCCTTCA AAGCAGCTCC TGGAGTCCAA TGGC	1703
TACAACTAAC TAMAGCACTCTT GACCCCACATGCT GATTATTAAGTTC CCCACCTCAGGGC TCFAGCATTCTTGTAGC AATGCAGAAGACT TACCCGAAGCA CACGAATTCCCCATCACCTTTCTTGTAGC AATCCCCAAGCA CACGAATTCCCAACCA TTACCCGAACCA CACGAATTCCCAACCA TTACCCCAACCA TTACCCCAACCA TTACCCCAACCA TTACCCAACCA TTACCCAACCA TTACCCAACCA TTACCCCAACCA TTACCCCAACCA TTACCCCAACCA TTACCCAACCA TTACCCAACCA TTACCCAACCA TTACCCAACCA TTACCCAACCA TTACCCAACCACCACCACCACCACCACCACCACCACCACC	NAATCAAA CACCTAGG GGCATCCC TTGGCTAT ICTATTGG GGAACAGG AGTTTCCA TTTCCCTC ATCAGAAT CTCATTTT ICTCGTAA GCAGGGAC AGGGCACC AGGGGAG AGGGCACC AGAAAAAGGT AGGGCTCT GGTCACTA	GC AATSCAGSTG AAGTGGCTGC CTTCAGGAAA TC AGGTGCCTC TAAATACTGA TITTGTGCAC TC TGTGCATATT GTTCTTCAGA GACCTCACTA GA AGAAGACAGC CACTAAGGT AGGCTTTTA TC AGGAAGGATT AGTTTATGT TGAGACATTG CC TCAGTATTCT TCCTGGCAAG ATACCATTA AT AGTTTTCAC ATTGGCTATT AGCTAATGC CCCTCAGATC AGTGAGAATA TAGTATGGG AC CCACAGCCAG GCTTCTGTCA TACAGGTAG CC CCAGAAAA TATAAGCAT TCCAGAGT CC CCAGAAAA TATAAGCAT TCCAGAGT CC CCAGAAAA TATAAGCAT TCCAGAGT CC CCAGAAAAC TATAAGCAT TAGTAACCT CCAGAAAAC TATAAGCAT TCCAGAGT AG TTCCAACCT GTGTTTGTC ATCATCCTA	1763 1823 1883 1943 2003 2063 2123 2183 2243 2303 2363
GCATTCCAGA TTT GTTATCATGG TGT AACGAACATC CTA GCATAGTAGT CAT TCCAAAGTCG AAT	TTACTGCC TTTGCTAG FATATATT TTTGTCAC ACTCTATG ATTTACTA FAGGTCTT GACTTTGG FGAGAAAG AACTCCAG BCTGTTTC TTAGCTGA	AT AAAACACAT TGATCCCTAG CAAGATTATT CO TITTCCTTAG CAAAGGCTG ACTITCCATT CA TICCCACAG TATACTTGAT GITTCCATT CA CAATTACTT CCCAGATCAT AGACCTCCTC GG AAAGAAAAGG AACCTGCAGG AATAATTATC CA AATCCAATG CTACAACAT AAAACAGCA AT ATGGRATAAA GAACTATTAT TITATTTTGA	2423 2483 2543 2603 2663 2723 2783 2797

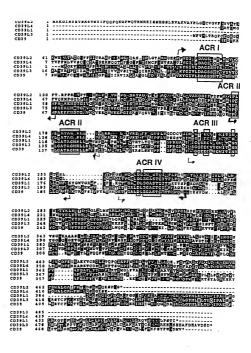
FIG. 6 (cont.d)

TCAT AAAA TGCA AAAA	ACAG AGTG GGTG	AC A AT A TG C TG C let A	TAAT GAGG CC F	AAAG AGGA CT 1	G AA T TO CT T Ser T	CCAA CTTC GG G	GGAG TGCA GC A	AAA ACA CA G	AAAC TC 1	AGA CCT TT T	AGGA CCAC TC A	AAGA CCCAG TG C	AA A	CATT CATC TG C	dı	60 120 180 240 288
TCC Ser 15	TGT Cys	GTT Val	TGC Cys	AGC Ser	GCT Ala 20	GTC Val	TCC Ser	CAC His	AGG Arg	AAC Asn 25	CAG Gln	CAG Gln	ACT Thr	TGG Trp	TTT Phe 30	336
GAG Glu	GGT Gly	ATC Ile	TTC Phe	CTG Leu 35	TCT Ser	TCC Ser	ATG Met	TGC Cys	CCC Pro 40	ATC Ile	AAT Asn	GTC Val	AGC Ser	GCC Ala 45	AGC Ser	384
ACC Thr	TTG Leu	TAT Tyr	GGA Gly 50	ATT Ile	ATG Met	TTT Phe	GAT Asp	GCA Ala 55	GGG Gly	AGC Ser	ACT Thr	GGA Gly	ACT Thr 60	CGA Arg	ATT Ile	432
CAT His	GTT Val	TAC Tyr 65	ACC Thr	TTT Phe	GTG Val	CAG Gln	AAA Lys 70	ATG Met	CCA Pro	GGA Gly	CAG Gln	CTT Leu 75	CCA Pro	ATT Ile	CTA Leu	480
Glu	GGG Gly 80	GAA Glu	GTT Val	TTT Phe	GAT Asp	TCT Ser 85	GTG Val	AAG Lys	CCA Pro	GGA Gly	CTT Leu 90	TCT Ser	GCT Ala	TTT Phe	GTA Val	528
GAT Asp 95	CAA Gln	CCT Pro	AAG Lys	CAG Gln	GGT Gly 100	GCT Ala	GAG Glu	ACC Thr	GTT Val	CAA Gln 105	GGG Gly	CTC Leu	TTA Leu	GAG Glu	GTG Val 110	576
GCC Ala	AAA Lys	GAC Asp	TCA Ser	ATC Ile 115	CCC Pro	CGA Arg	AGT Ser	CAC His	TGG Trp 120	AAA Lys	AAG Lys	ACC Thr	CCA Pro	GTG Val 125	GTC Val	624
CTA Leu	AAG Lys	GCA Ala	ACA Thr 130	GCA Ala	GGA Gly	CTA Leu	CGC Arg	TTA Leu 135	CTG Leu	CCA Pro	GAA Glu	CAC His	AAA Lys 140	GCC Ala	AAG Lys	672
GCT Ala	CTG Leu	CTC Leu 145	TTT Phe	GAG Glu	GTA Val	AAG Lys	GAG Glu 150	ATC Ile	TTC Phe	AGG Arg	AAG Lys	TCA Ser 155	CCT Pro	TTC Phe	CTG Leu	720
GTA Val	CCA Pro 160	AAG Lys	GGC Gly	AGT Ser	GTT Val	AGC Ser 165	ATC Ile	ATG Met	GAT Asp	GGA Gly	TCC Ser 170	GAC Asp	GAA Glu	GGC Gly	ATA Ile	768
TTA Leu 175	GCT Ala	TGG Trp	GTT Val	ACT Thr	GTG Val 180	AAT Asn	TTT Phe	CTG Leu	ACA Thr	GGT Gly 185	CAG Gln	CTG Leu	CAT His	GGC Gly	CAC His 190	816
AGA Arg	CAG Gln	GAG Glu	ACT Thr	GTG Val 195	GGG Gly	ACC Thr	TTG Leu	GAC Asp	CTA Leu 200	GGG Gly	GGA Gly	GCC Ala	TCC Ser	ACC Thr 205	CAA Gln	864
ATC Ile	ACG Thr	TTC Phe	CTG Leu 210	CCC Pro	CAG Gln	TTT Phe	GAG Glu	AAA Lys 215	ACT Thr	CTG Leu	GAA Glu	CAA Gln	ACT Thr 220	CCT Pro	AGG Arg	912
GGC Gly	TAC Tyr	CTC Leu 225	Thr	TCC Ser	TTT Phe	GAG Glu	ATG Met 230	Phe	AAC Asn	AGC Ser	ACT Thr	TAT Tyr 235	AAG Lys	CTC Leu	TAT Tyr	960

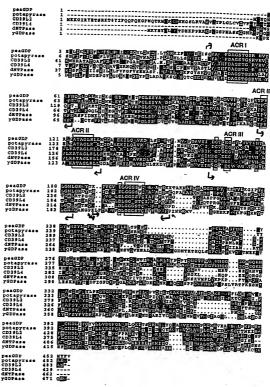
# 'SHEET 14 OF 16)

AC.	His 240	AGT Ser	TAC Tyr	TTG Leu	GGA Gly	TTT Phe 245	Gly	TTG Leu	AAA Lys	GCT	GCA Ala 250	Arg	CTA Leu	GCA Ala	ACC Thr	1008	
	Gly	GCC Ala				Glu					His					1056	
		TTA Leu														1104	
AAA Lys	TAC	CAG Gln	TAT Tyr 290	GGT Gly	GGC Gly	AAC Asn	CAA Gln	GAA Glu 295	GGG Gly	GAG Glu	GTG Val	GGC Gly	TTT Phe 300	GAG Glu	CCC Pro	1152	
TGC Cys	TAT	GCC Ala 305	GAA Glu	GTG Val	CTG Leu	AGG Arg	GTG Val 310	GTA Val	CGA Arg	GGA Gly	AAA Lys	CTT Leu 315	CAC	CAG Gln	CCA Pro	1200	
		GTC Val														1248	
	Ala	GTT Val														1296	
AAA Lys	GTT Val	G <b>AA</b> Glu	GAT Asp	TTT Phe 355	GAA Glu	AGA Arg	AAA Lys	GCC Ala	AGG Arg 360	GAA Glu	GTG Val	TGT Cys	GAT Asp	AAC Asn 365	TTG Leu	1344	
GAA Glu	AAC Asn	TTC Phe	ACC Thr 370	TCA Ser	GGC Gly	AGT Ser	CCT Pro	TTC Phe 375	CTG Leu	TGC Cys	ATG Met	GAT Asp	CTC Leu 380	AGC Ser	TAC Tyr	1392	
		GCC Ala 385														1440	
		CTC Leu														1488	
		ACC Thr		His										TGAG	GCCAC	1539	
TACA TCAC CCAC TCCA CCAT	TGAF CATO CAGAO CGGAO CTGF	CT A TA A SAG C SAG G	GTCT TGTG CCTG TCCC TTTA AGTA	GGGA AACT TGAG TGGA AATT TTTT	C AT G CT C CA A AC T TC	CCTG GCCT. AAAA CAAA CTCT CCTC	GACT AACC GTAT GAAA TAAA CCTA	TGA ACT AGT AAT TGG TAC	GCCT CAAG TTTG CGCA TAAA AGTG	AGA AGT GAA TTT CTG CCC	GATT ACAC CTTA CAAC ACTT	TAGG AGCT ACCT CCTT ATTG	TT T GG C TG G TG A CA A	AATT ACCA AGTG GTGC TCCC	CTTAG AATTT GAGCA AGAGC CTCAT AAGAC GCACC	1599 1659 1719 1779 1839 1899 1959	

Fis. 7 (cont'd)



F16.8



F16.9